FIGURE 1a word list Operator chosen terms document bird list AND cat cat testl doc NOT => dog test2.doc OR horse test3.doc EXCL. OR snake test4.doc FIGURE 1b word list operator Chosen terms document cat list AND Cat dog testl.doc NOT => Cat horse test2.doc OR test3.doc EXCL. OR test4.doc FIGURE 1c word list operator Chosen terms document cat AND list Cat dog NOT test2.doc Dog horse OR EXCL. OR

# FIGURE 2a

Name	size	frequency	Price
M-15-70	15	70	210
M-15-85	15	85	290
M-17-72	17	72	320
M-17-96	17	96	380
M-19-90	19	90	450
M-19-115	19	115	510
M-21-110	21	110	820
M-21-135	21	135	910

# FIGURE 2b

name	size	Frequency	Price
M-15-70	15	70	210
M-15-85	15	85	290
M-17-72	17	72	320
M-17-96	17	96	380
M-19-90	19	90	450
M-19-115	19	115	510
M-21-110	21	110	820
M-21-135	21	135	910

# FIGURE 2c

name	size	frequency	Price
M-17-72	17	72	320
M-17-96	17	96	380
M-19-90	19	90	450
M-19-115	19	115	510
M-21-110	21	110	820
M-21-135	21	135	910

# FIGURE 2d

name	size	frequency	price
M-17-72	17	72	320
M-19-90	19	90	450
M-17-96	17	96	380
M-21-110	21	110	820
M-19-115	19	115	510
M-21-135	21	135	910

# FIGURE 2e

Name	size	frequency	Price
M-17-96	17	96	380
M-21-110	21	110	820
M-19-115	19	115	510
M-21-135	21	135	910

## FIGURE 2f

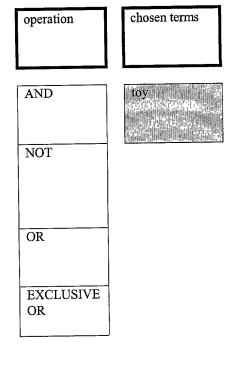
name	size	frequency	Price
M-17-96	17	96	380
M-19-115	19	115	510
M-21-110	21	110	820
M-21-135	21	135	910

# FIGURE 2g

name	size	frequency	Price
M-17-96	17	96	380

# FIGURE 3a

main category	first sub- category
Picture of a film reel	picture of a teddy bear
picture of a computer	picture of toys like shovel and basket
picture of a toy	picture of toy cars like matchbox
picture of a book	picture of a model train
picture of a washing machine	picture of comic figures



#### FIGURE 3b chosen terms operation second subfirst submain category category category toy -> comic figures AND picture of a picture of Picture of a Walt film reel teddy bear Disney's Characters NOT picture of picture of a picture of toy Japanese sand toys like Manga shovel and comics basket OR picture of a picture of picture of toy cars like Pokémons book matchbox EXCLUSIVE picture of a picture of a OR model train magazine picture of comic figures

		FIC	SURE 3c		
main category	first sub- category	second sub category	third sub- category	operation	chosen terms
Picture of a film reel	picture of a teddy bear	picture of Walt Disney's characters	picture of Mickey Mouse	AND	toy -> comic figures -> Walt Disney
picture of a toy	picture of sand toys like shovel and basket	picture of Japanese Manga comics	picture of Donald	NOT	
picture of a book	picture of toy cars like matchbox	picture of Pokémons	picture of Uncle Scrooge	OR	
picture of a magazine	picture of a model train		picture of Pluto	OR OR	
	picture of comic figures		picture of Minnie Mouse		

FIGURE 3d chosen terms operation third subsecond sub first submain within main category category category category category AND (toy -> comic picture of picture of a picture of Picture of a figures -> Walt Walt Mickey film reel teddy bear Disney) AND Mouse Disney's characters picture of NOT picture of a picture of picture of Donald (toy) Japanese sand toys like toy Manga shovel and comics basket OR picture of picture of picture of a picture of toy Pokémons Uncle cars like book matchbox Scrooge EXCLUSIVE picture of picture of a picture of a OR Pluto model train magazine picture of picture of Minnie comic figures Mouse

		FIG	SURE 3e		
main category	first sub- category	second sub- category	third sub- category	operation	chosen terms
Picture of a film reel	picture of a teddy bear	picture of Walt Disney's characters	picture of Mickey Mouse	AND	(toy -> comic figures -> Walt Disney>Uncle Scrooge) AND
picture of a toy	picture of sand toys like shovel and basket	picture of Japanese Manga comics	picture of Donald	NOT	(movie)
picture of a book	picture of toy cars like matchbox	picture of Pokémons	picture of Uncle Scrooge	OR	
picture of a magazine	picture of a model train		picture of Pluto	EXCLUSIVE OR	
	picture of comic figures		picture of Minnie Mouse		

		FIC	GURE 3f		
main category	first sub- category	second sub category	third sub- category	operation	chosen terms
Picture of a film reel	picture of a teddy bear	picture of Walt Disney's characters	picture of Mickey Mouse	AND	(toy -> comic figures -> Walt Disney) -> AND (movie)
picture of a toy	picture of sand toys like shovel and basket	picture of Japanese Manga comics	picture of Donald	NOT	
picture of a book	picture of toy cars like matchbox	picture of Pokémons	picture of Uncle Scrooge	OR	
picture of a magazine	picture of a model train		picture of Pluto	OR EXCLUSIVE	
	picture of comic figures				

		FIG	URE 3g	_	
main category	first sub- category	second sub category	third sub- category	operation within third sub-category	chosen terms
Picture of a film reel	picture of a teddy bear	picture of Walt Disney's characters	picture of Mickey Mouse	AND	(toy -> comic figures -> Walt Disney -> (Uncle Scrooge) AND (movie)
picture of a toy	picture of sand toys like shovel and basket	picture of Japanese Manga comics	picture of Pluto	NOT	
picture of a book	picture of toy cars like matchbox	picture of Pokémons		OR	
picture of a magazine	picture of a model train			EXCLUSIVE OR	
	picture of comic figures				

FIGURE 3h main first subsecond sub third suboperation chosen terms within third category category category category sub-category picture of Picture of a picture of picture of a AND [(toy -> comic film reel Mickey teddy bear Walt figures -> Walt Mouse e 1900 ja jakon Liitti ka 1900 ja ja Disney's Disney) -> (Uncle Scrooge characters BUT NOT Mickey Mouse)] AND 1 (movie) picture of picture of a picture of NOT toy sand toys like Japanese shovel and Manga basket comics picture of a picture of toy picture of OR cars like book Pokémons matchbox picture of a picture of a EXCLUSIVE magazine model train OR picture of comic figures

## FIGURE 3i

first submain category category picture of a Picture of a VHS-Videofilm reel cassette picture of a picture of a Video8/Hi8toy cassette picture of a picture of a DVD-ROM book picture of a magazine

AND

(toy-> comic figures -> Walt Disney -> (Uncle Scrooge BUT NOT Mickey Mouse)) and (movie)

OR

EXCLUSIVE OR

## FIGURE 3j

main category first subcategory

Picture of a film reel 

picture of a toy

picture of a book

picture of a magazine

picture of a VHS-Videocassette

picture of a Video8/Hi8cassette

picture of a DVD-ROM  operation

chosen terms

AND

NOT

OR

EXCLUSIVE OR

[(toy-> comic figures -> Walt
Disney ->
(Uncle Scrooge BUT NOT Mickey Mouse)] and (movie) -> DVD)

#### FIGURE 4a

WORD
flavour
onion
paprika
pork
potato
salt
tomato
water

OPERATION	
AND	
NOT	
OR	
EXCL. OR	

RESULT
soup 1
soup 2
soup 3

## HISTORY

#### FIGURE 4b

WORD
flavour
onion
paprika
pork
potato
salt
tomato
water

OPERATION
AND
NOT
OR
EXCL. OR

RESUL	$\mathbf{T}_{m}$
soup 2	-
soup 3	

HISTORY onion

#### FIGURE 4c

WORD
flavour
onion
pork
potato
salt
tomato
water

OPERATION
AND
NOT
OR
EXCL. OR

RESULT	Zonana
soup 2	-
soup 3	

onion but not

## FIGURE 4d

WORD
flavour
onion pork
potato
salt
tomato
water

OPERATION AND NOT OR EXCL. OR

RESULT soup 2

onion
but not
pork

## FIGURE 5a

PLANET	MASS	INSTANCE	DIAMETER
Mercury	0.037	57.85	4,800
Venus	0.826	108.10	12,200
Earth	1.000	149.45	12,757
Mars	0.108	227.72	6,800
Jupiter	318.4	777.6	142,700
Saturn	95.2	1,425.6	120,800
Uranus	14.6	2,668.1	49,700
Neptune	17.3	4,494.1	53,000
Pluto	0.8	5,905.9	5,000

mass = mass relative to the mass of the Earth distance = medium distance from the Sun in million km diameter = average diameter in km

#### FIGURE 5b

available operations
planets heavier than Earth
planets lighter than Earth
planets farther away from the Sun than Earth
planets nearer to the Sun than Earth
planets larger than Earth
planets smaller than Earth

planet
Mercury
Venus
Earth
Mars
Jupiter
Saturn
Uranus
Neptune
Pluto

## FIGURE 5c

availab	le operations.
planets	heavier than Earth
planets	lighter than Earth
	farther away from the Sun than Earth
planets	nearer to the Sun than Earth
planets	larger than Earth
planets	smaller than Earth

#### FIGURE 5d

available operations
planets lighter than Earth
planets smaller than Earth

planet	H
Mercury	
Venus	

